GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10216-5 1.4401 (X5CrNiMo17-12-2)

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10216-5 1.4401 (X5CrNiMo17-12-2) Seamless Steel Tubes for Pressure Purposes

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Tubing

Chemical Composition		
Carbon	C %	0.070 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Nitrogen	N %	0.100 max.
Chromium	Cr %	16.500 - 18.500
Molybdenum	Mo %	2.000 - 2.500
Nickel	Ni %	10.000 - 13.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	510 - 710
Proof Strength in Mpa	240 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HRB	-
Impact in Joule	100 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10088-2 X 5 CrNiMo 17-12-2	UNI	Italy	Steel and Casting
EN 10088-1 X5CrNiMo17-12-2	AFNOR NF	France	Steel
EN 10088-2 X5CrNiMo17-12-2	AFNOR NF	France	Steel
EN 10088-3 X5CrNiMo17-12-2	AFNOR NF	France	Steel
EN 10088-3 X 5 CrNiMo 17 12 2	DIN	Germany	Steel
EN 10088-2 X 5 CrNiMo 17 12 2	DIN	Germany	Steel
EN 10088-1 X 5 CrNiMo 17 12 2	DIN	Germany	Steel

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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